

PRELIMINARY AMENDMENT

Serial No. N/A

Inventor: Koch et al.

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Amendments to the Specification:

Kindly replace the paragraph on page 1, labeled lines 9-11, with the following:

BACKGROUND OF THE INVENTION

The invention relates to an interferometric device according to the preamble of the main claim. Devices for optical coherence tomography (OCT) comprise an interferometer and an evaluating unit for the electronic detection of an interference pattern.

Kindly replace the paragraph starting on page 3, line 35 through page 4, line 2 with the following:

SUMMARY OF THE INVENTION

The problem of the present invention is to provide an interferometric device with a line sensor, particularly for OCT, which has no moving parts and in particular no time-variable reference arm, but which still allows a simple separation of useful signal and background when there are several interference fringes on each individual pixel.

BRIEF DESCRIPTION OF THE DRAWINGS

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Page 3

Kindly replace the paragraph on page 4, line 18, with the following:

Fig. 4 The operation of a prism mask as an alternative to a fade-out mask.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS